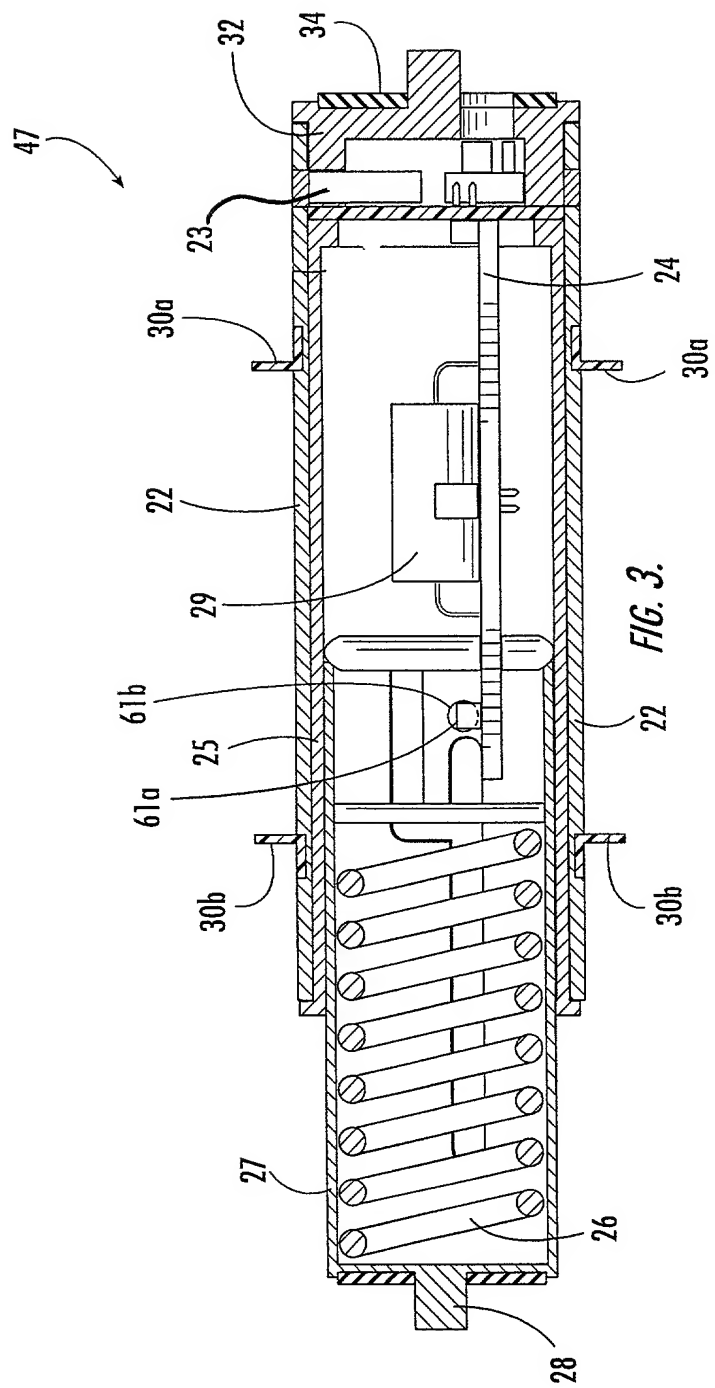
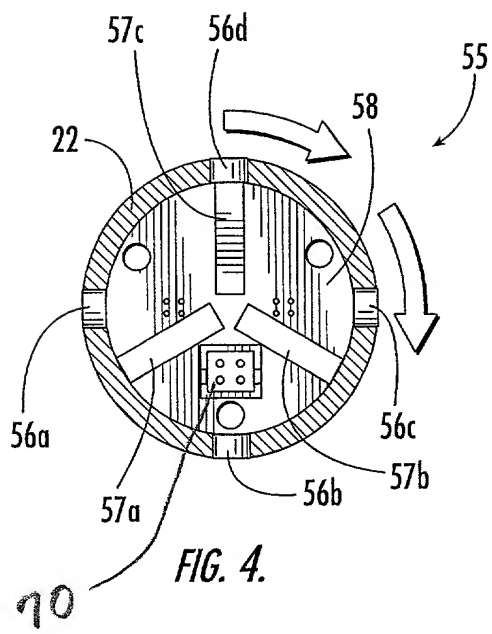


FIG. 2.





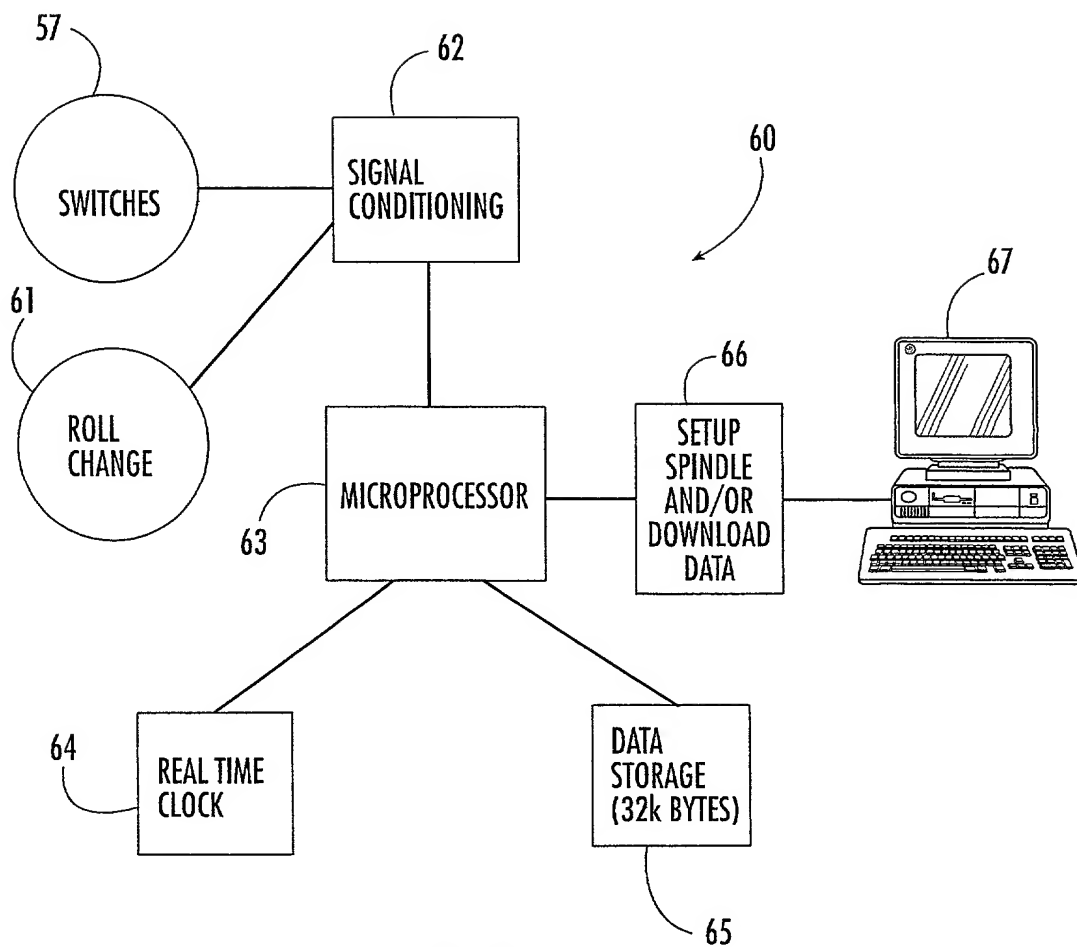


FIG. 5.

FIG. 6A

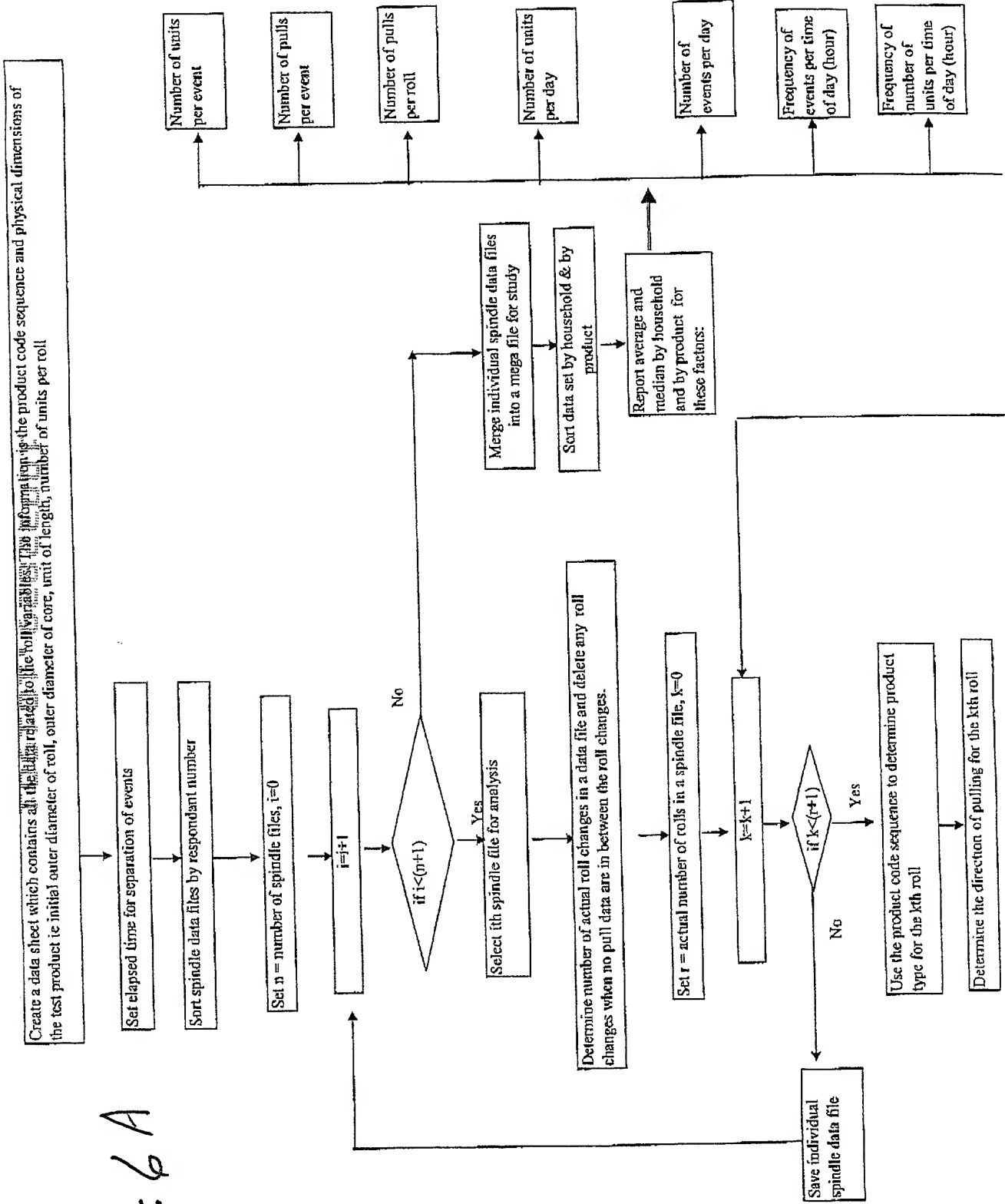
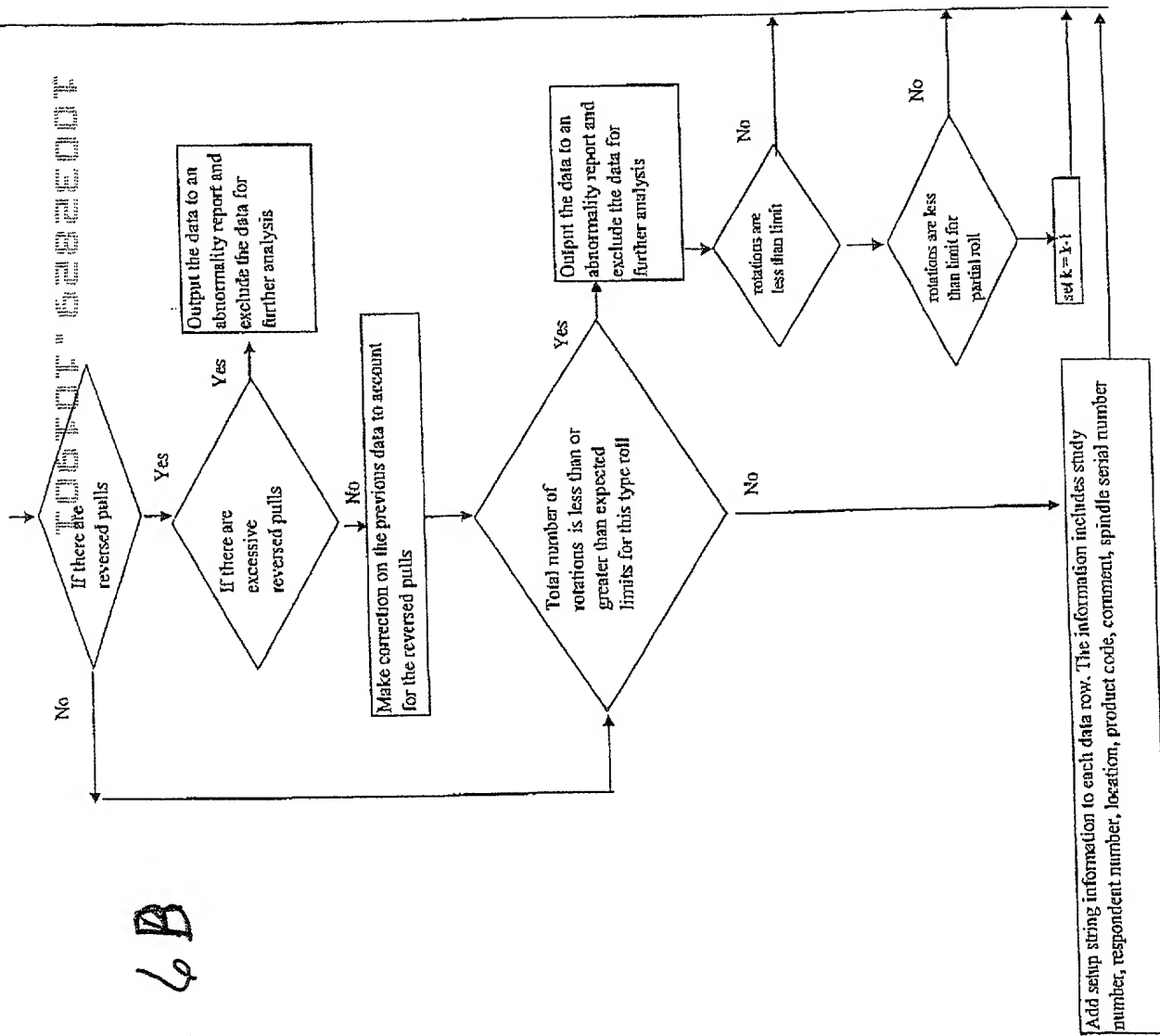
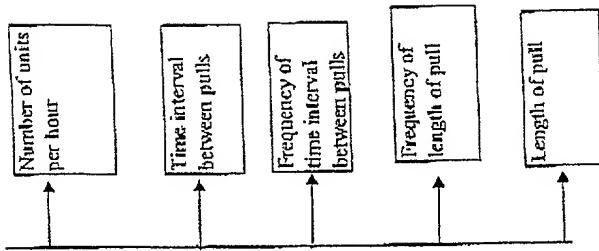


FIG. 6B



Use of Smart Spindle for toilet paper utility in Consumer Home

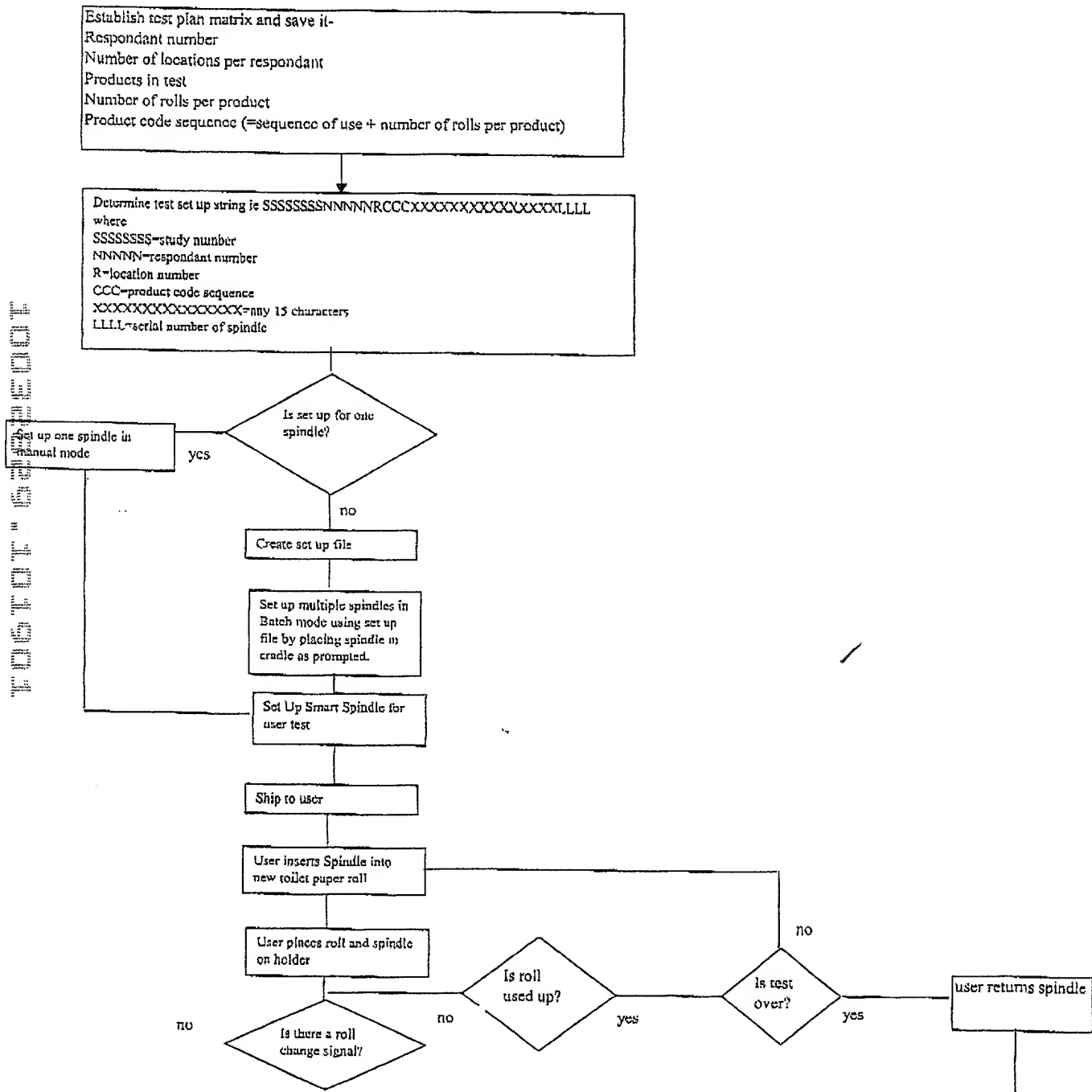


FIG 7A

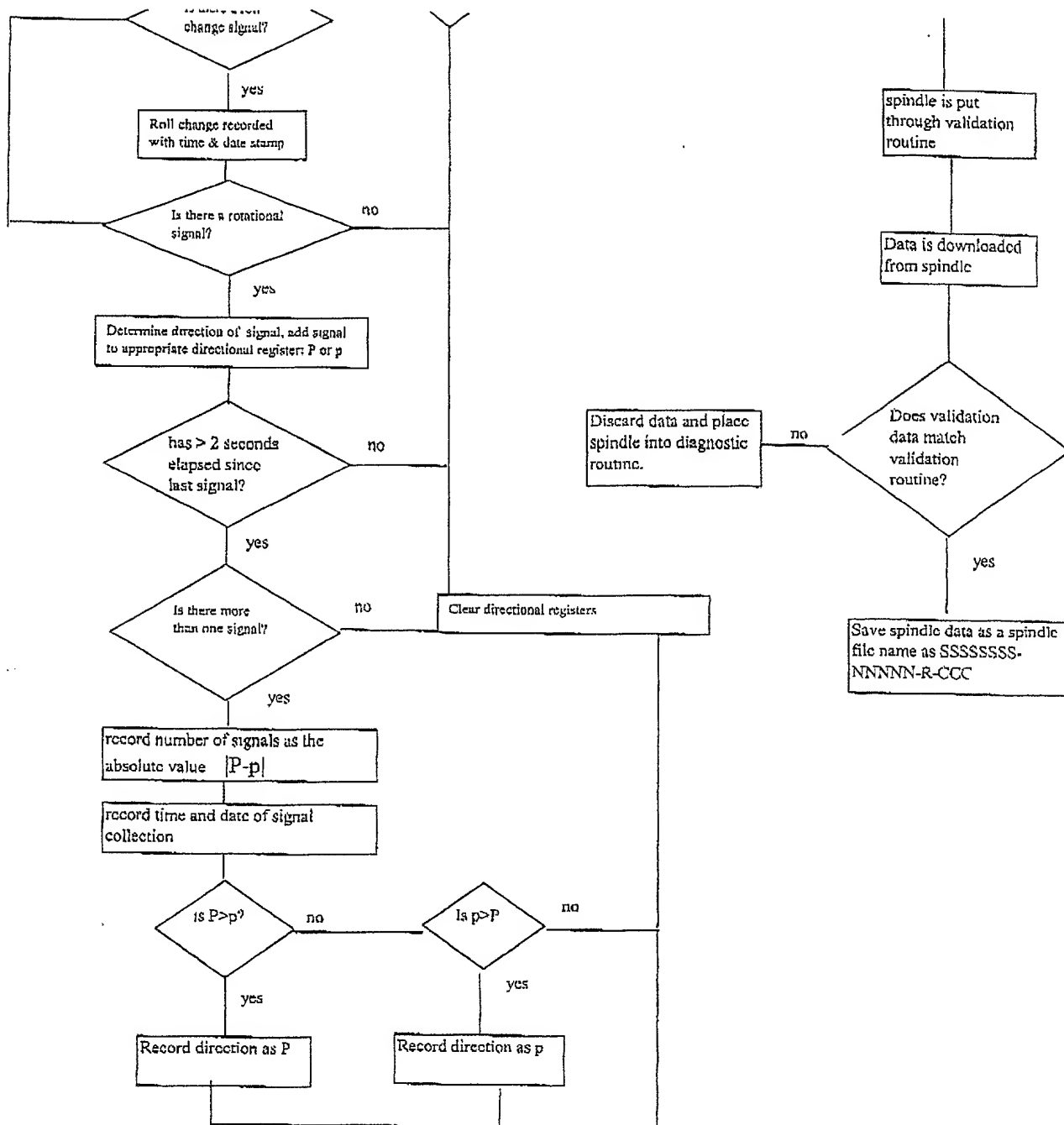
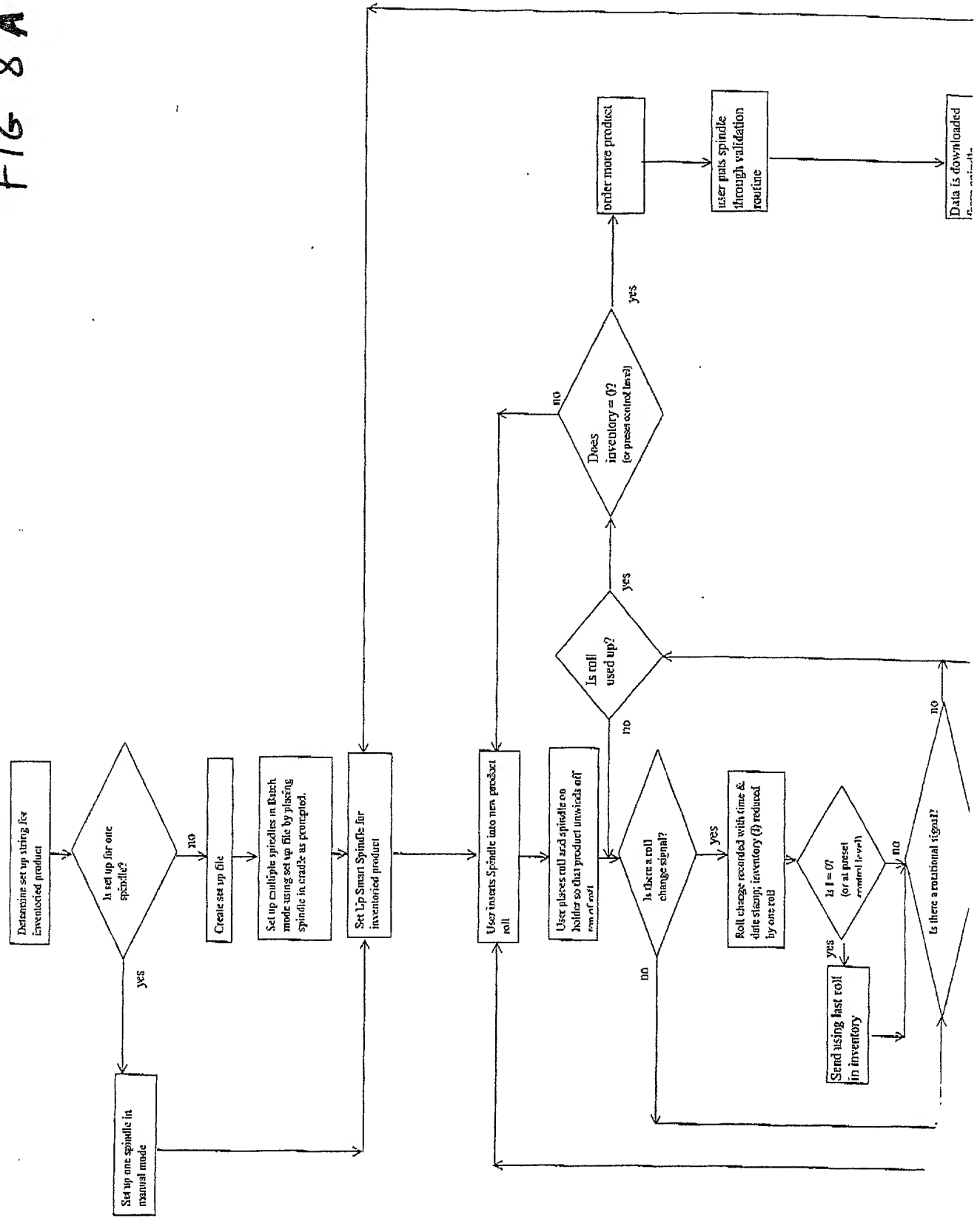
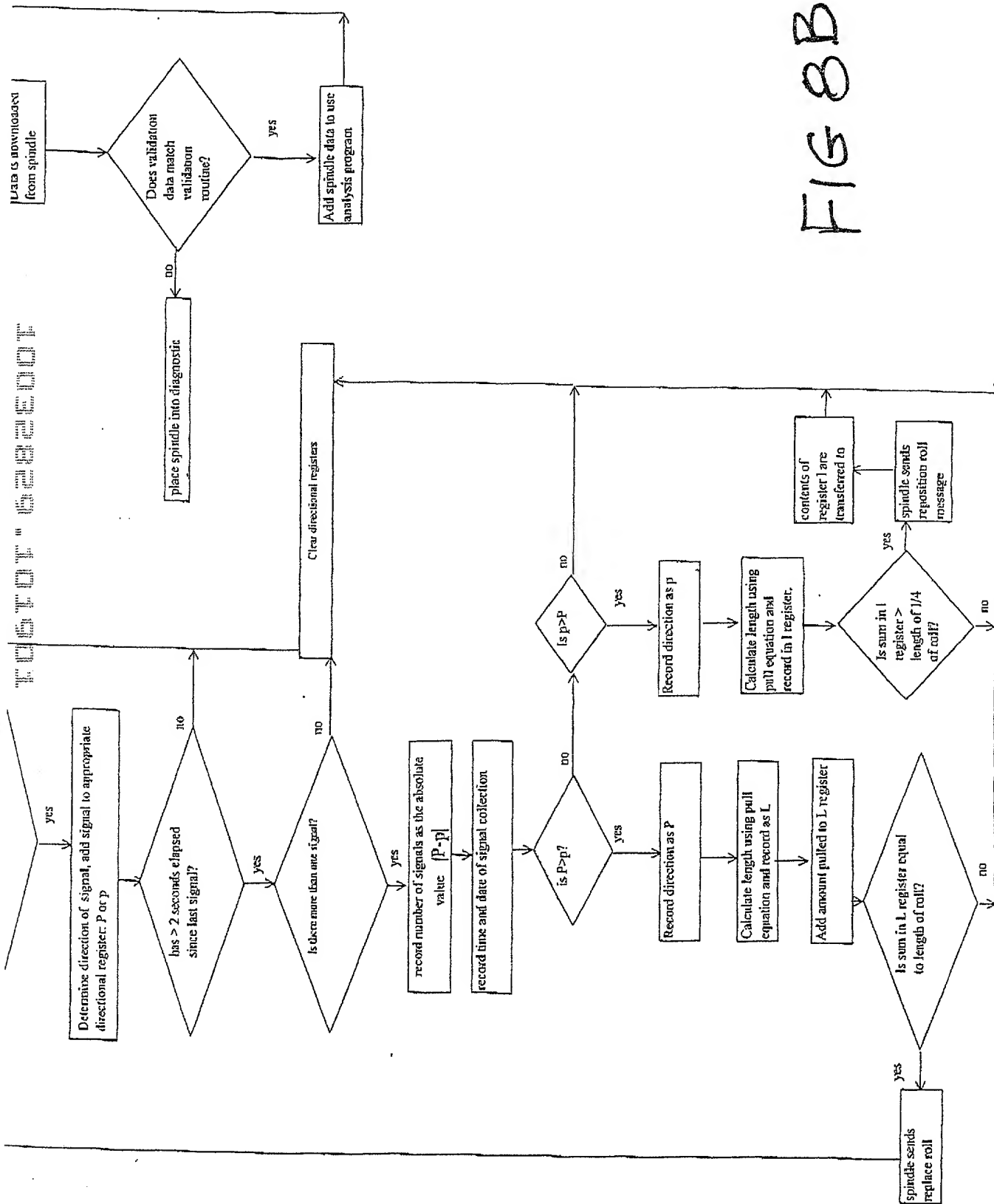


FIG 7B

Use of Smart Spindle to control an inventory in Consumer Home, factory, retail store

FIG 8A





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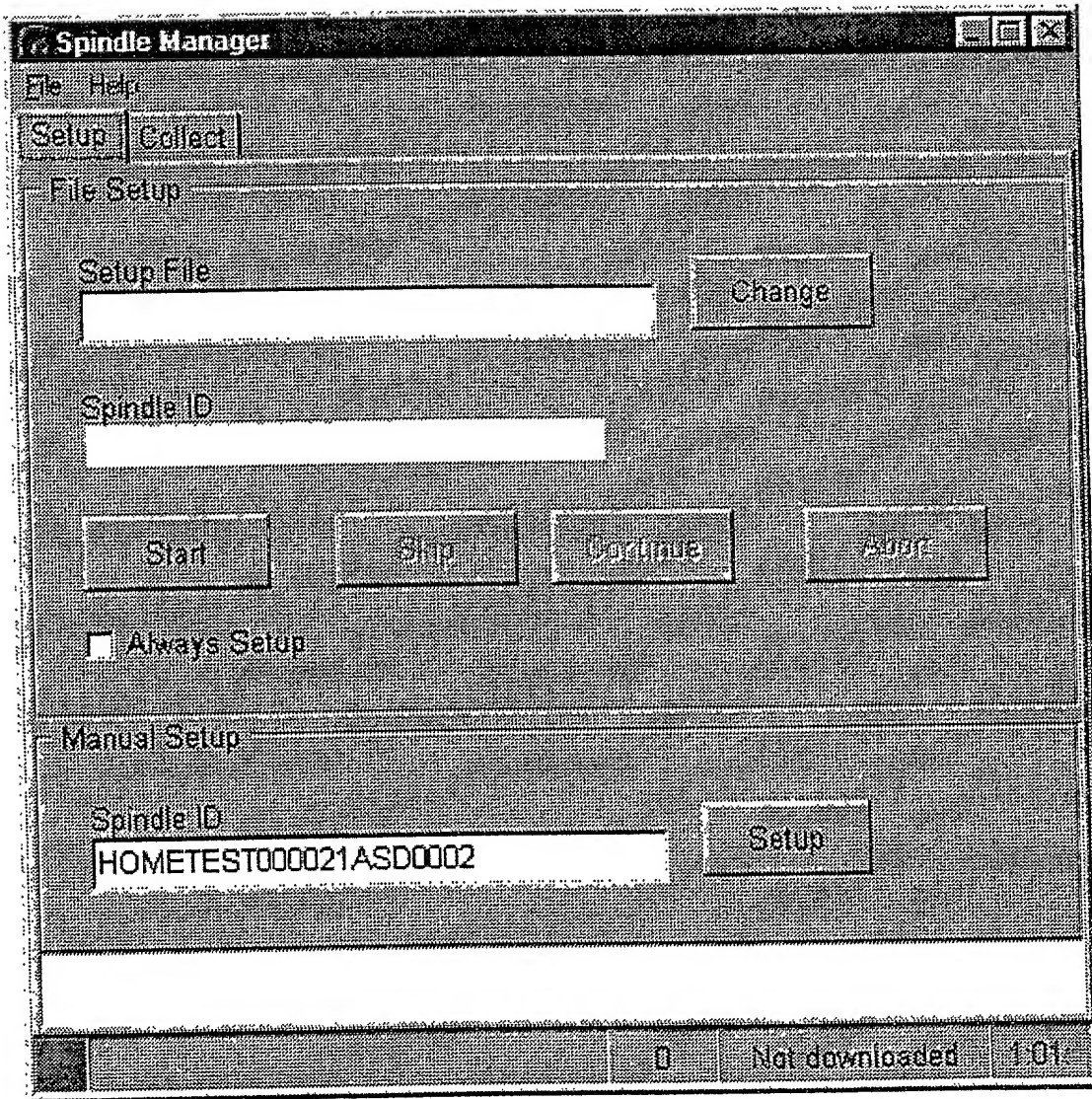


Fig. 9

Fig. 10 282200T

The screenshot shows a Microsoft Excel spreadsheet with a 'Test Setup' dialog box open. The dialog box contains the following fields:

- Study #: 1
- Subject #: 1
- Batch/room #: 1
- Product ID: 1
- Spin/roll ID: 1
- Criterion for value (min): 10
- Buttons: Refresh, OK

The spreadsheet data is as follows:

	A	B
1	Employee	110600
2	R	110600
3	p	110600
4	p	110600
5	p	110600
6	p	110600
7	p	110600
8	p	110600
9	p	110600
10	p	110600
11	p	110600
12	p	110600
13	p	110600
14	p	110600
15	p	110600
16	p	110600
17	p	110600
18	p	110600
19	p	110600
20	p	110600
21	p	110600

The status bar at the bottom indicates 'Ready' and 'Microsoft Word 55 PM'.

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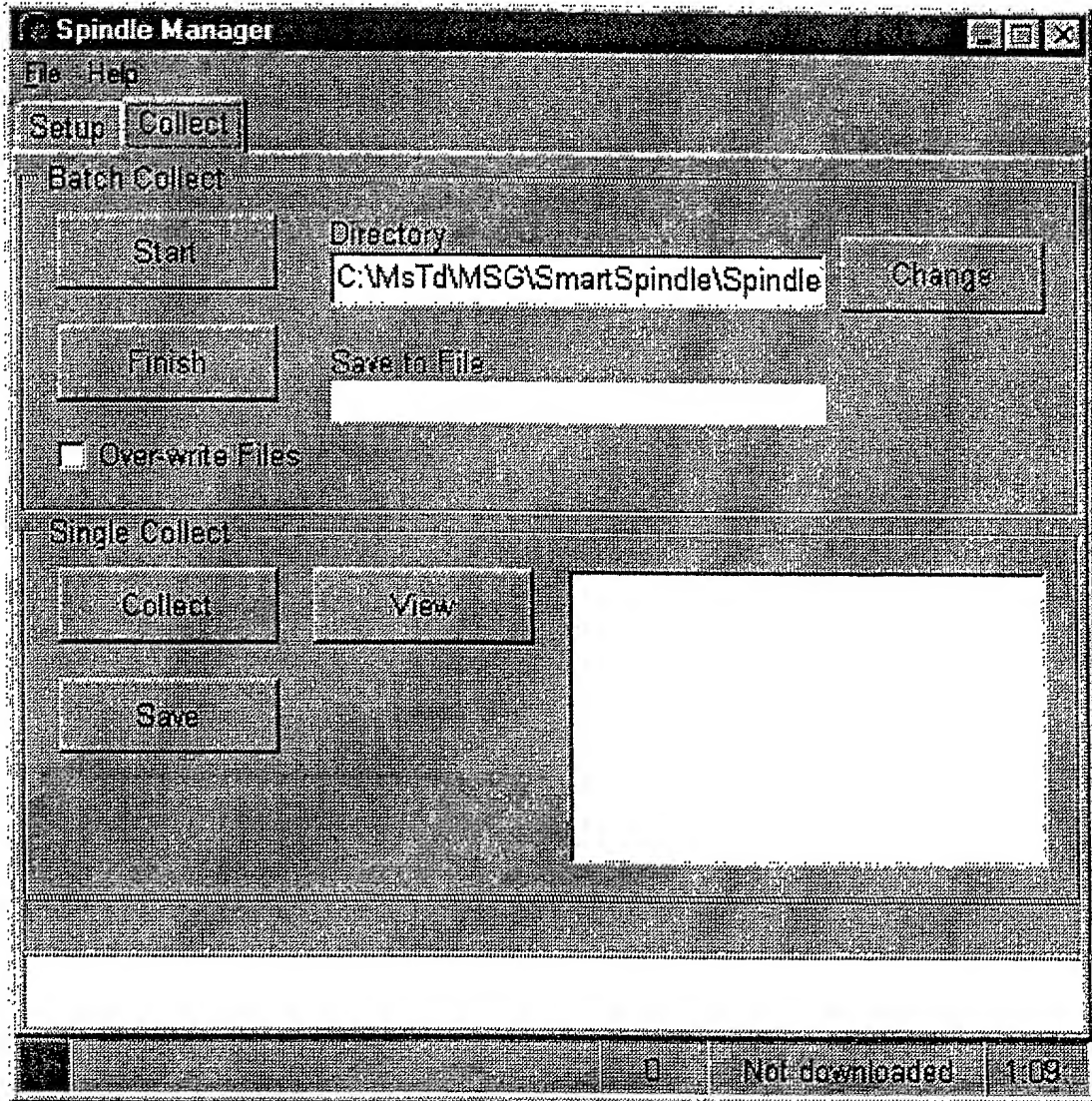


Fig.11



Fig. 12

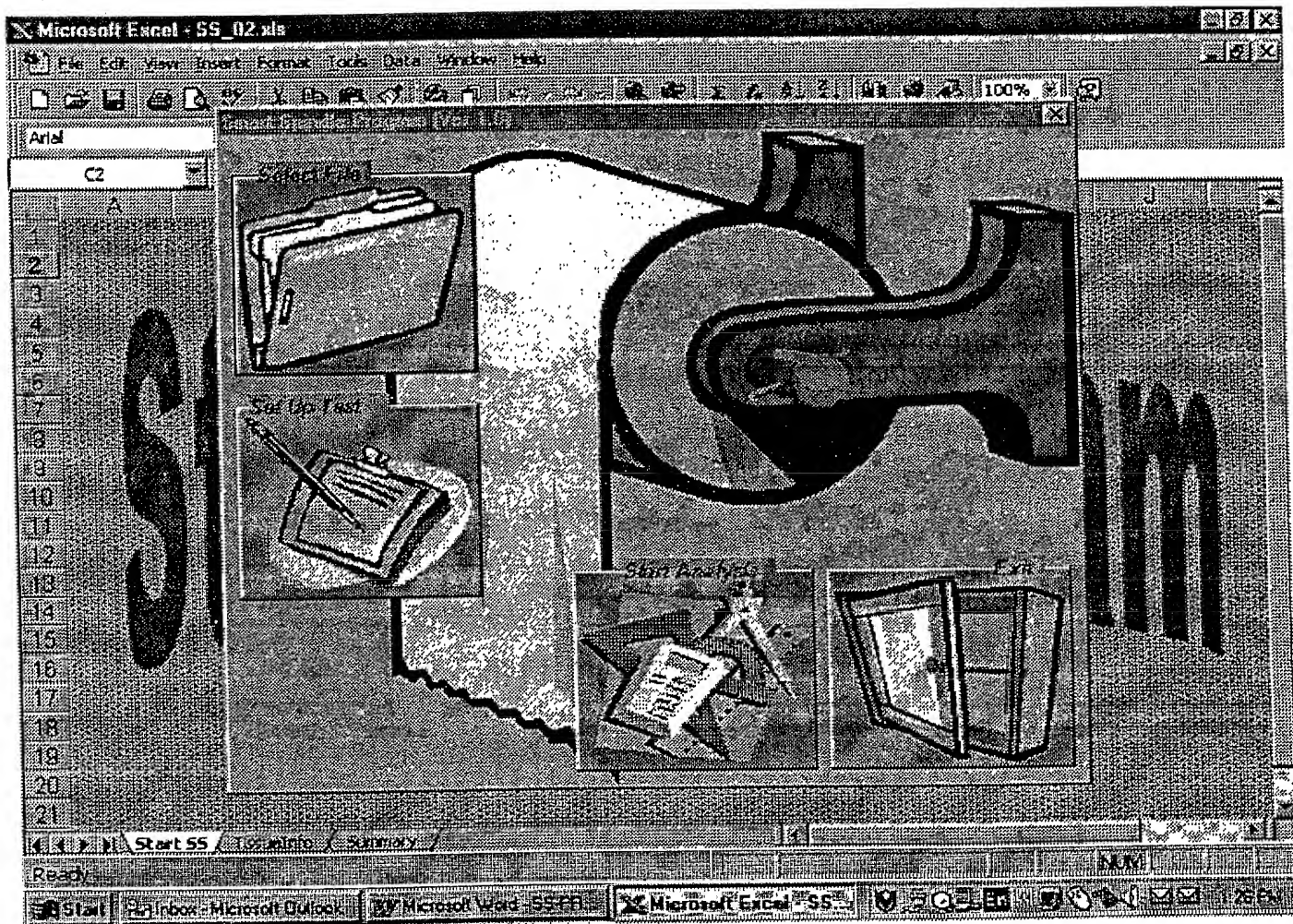


Fig. 13